

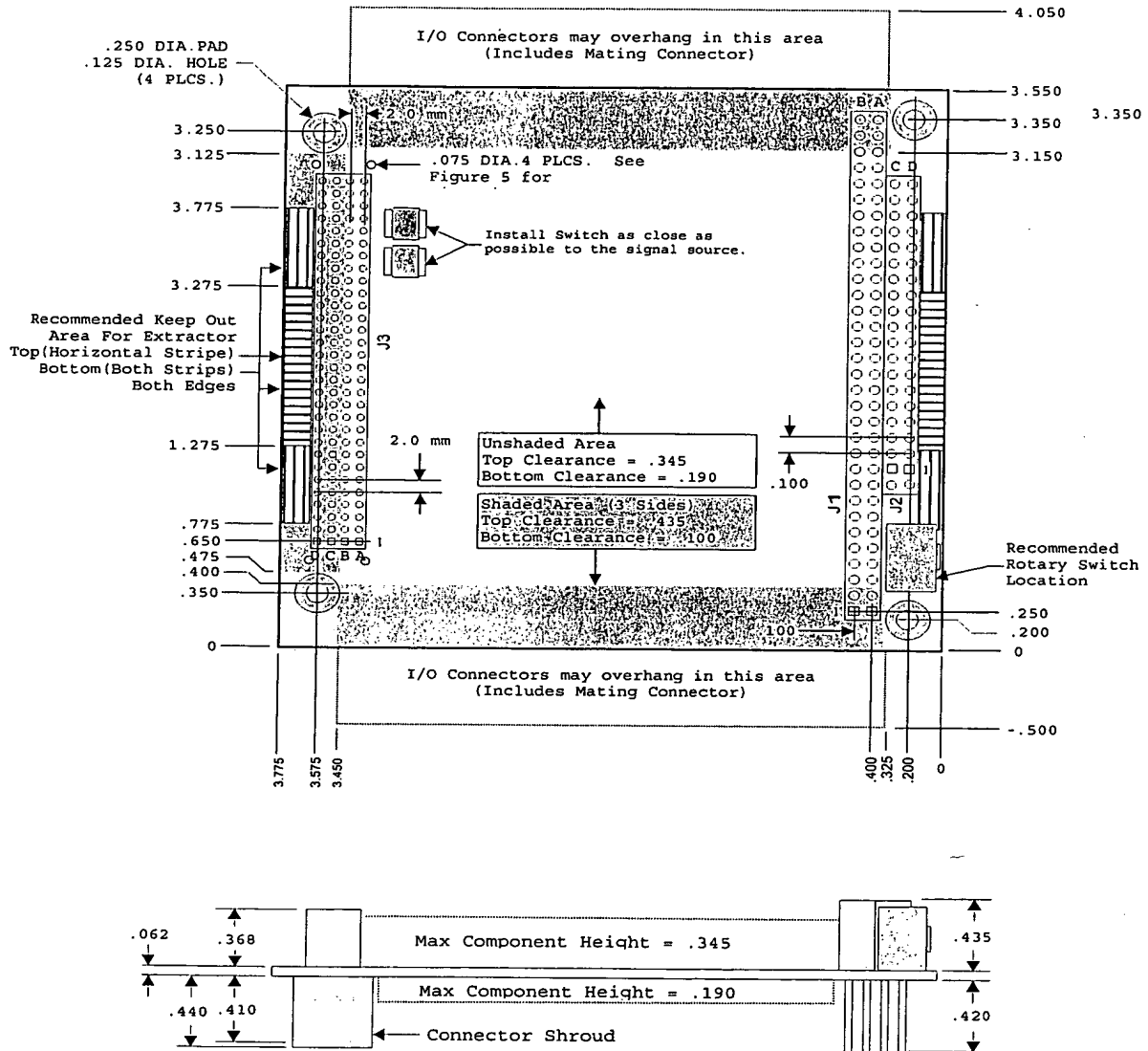
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APPENDIX A

MECHANICAL DIMENSIONS

PC/104-Plus

Figure 4: Module Dimensions



PC/104-Plus

Figure 5: PC/104-Plus and PCI-104 PCI Connector

NOTES:

- 1 PRESS FIT COMPLIANT PINS PER DIN 41612 PART 5 AND IEC 352-5 CAN BE USED INSTEAD OF SQUARE PINS AS SHOWN.
- 2 CONFIGURATION CAN BE MADE OF ONE OR MORE PIECES.

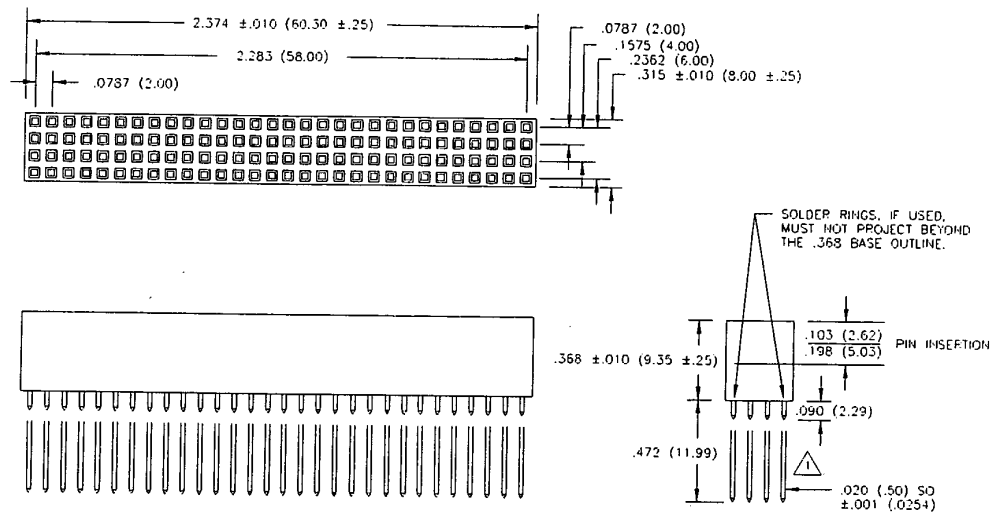


Figure 6: PCI Shroud

NOTE:

- 1 LOCKING PEGS ARE NOT REQUIRED IF THE SHROUD IS A PRESS FIT ONTO THE LONG CONNECTOR PINS; OR OTHERWISE SECURED.

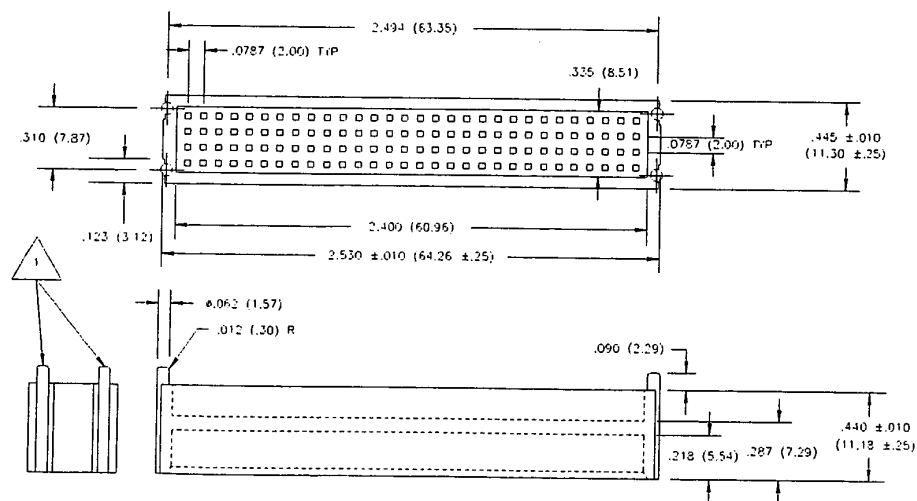


Figure 7: PC/104-Plus and PCI-104 PCI Connector Specifications

MATERIALS

HOUSING:	HIGH TEMP THERMOPLASTIC, UL RATED 94-V0
CONTACT:	PHOSPHOR BRONZE
SOLDER:	TIN-LEAD (63-37), IF APPLICABLE
SOLDER CLIP:	ALUMINUM ALLOY, IF APPLICABLE

CONTACT FINISH

FEMALE INTERFACE:	20 MICROINCHES MINIMUM HARD GOLD
MALE INTERFACE:	GOLD FLASH MINIMUM
SOLDER TAIL:	100 MICROINCHES MINIMUM SOLDER
UNDERPLATE:	50 MICROINCHES MINIMUM NICKEL

MECHANICAL PERFORMANCE

INSERTION FORCE:	2.5 OUNCE PER PIN MAXIMUM
WITHDRAW FORCE:	1 OUNCE MINIMUM AVERAGE
NORMAL FORCE:	50 GRAMS MINIMUM (PER BEAM)
DURABILITY:	50 CYCLES MINIMUM
OPERATING TEMP:	-55° C TO +85° C

ELECTRICAL PERFORMANCE

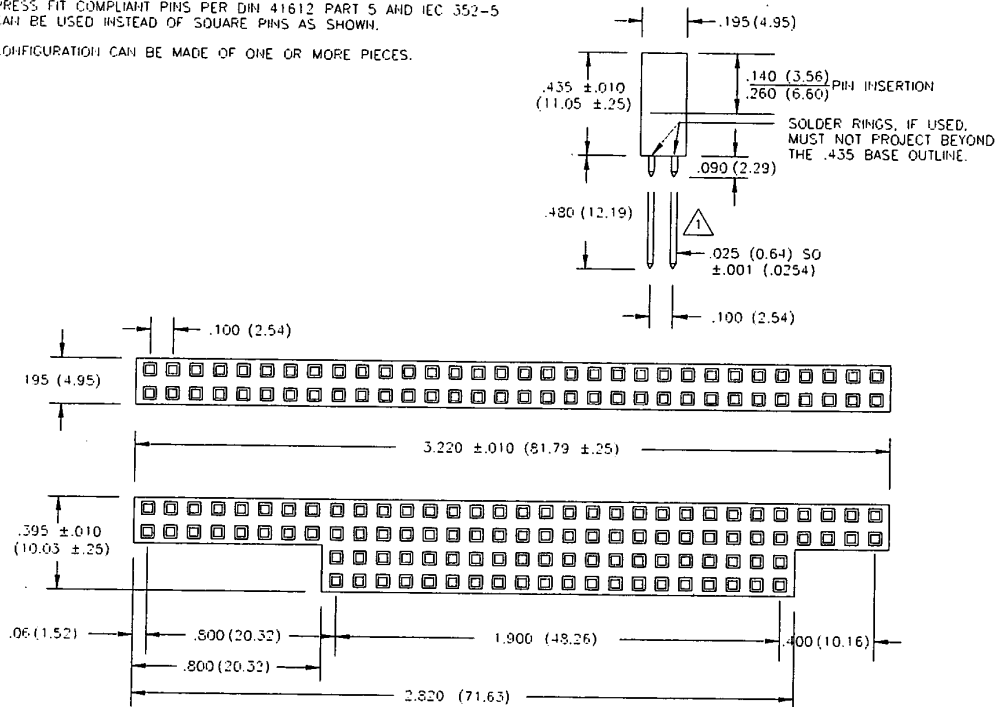
CONTACT RESISTANCE:	<30 MILLIOHMS MAXIMUM
CURRENT CAPACITY:	1 AMP CONTINUOUS PER PIN
DIELECTRIC STRENGTH:	500 VAC
INSULATION RESISTANCE:	5,000 MEGOHMS MINIMUM

Figure 8: PC/104 8-Bit and 16-Bit ISA Connector Specification

NOTES:

1 PRESS FIT COMPLIANT PINS PER DIN 41612 PART 5 AND IEC 352-5 CAN BE USED INSTEAD OF SQUARE PINS AS SHOWN.

2 CONFIGURATION CAN BE MADE OF ONE OR MORE PIECES.



MATERIALS

HOUSING:	HIGH TEMP THERMOPLASTIC, UL RATED 94-V0
CONTACT:	PHOSPHOR BRONZE
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MALE INTERFACE:	GOLD FLASH MINIMUM
SOLDER TAIL:	100 MICROINCHES MINIMUM SOLDER
UNDERPLATE:	50 MICROINCHES MINIMUM NICKEL

MECHANICAL PERFORMANCE

INSERTION FORCE:	3.5 OUNCE PER PIN MAXIMUM
WITHDRAW FORCE:	1 OUNCE MINIMUM AVERAGE
NORMAL FORCE:	50 GRAMS MINIMUM (PER BEAM)
DURABILITY:	50 CYCLES MINIMUM
OPERATING TEMP:	-55° C TO +85° C

ELECTRICAL PERFORMANCE

CONTACT RESISTANCE:	<30 MILLIOHMS MAXIMUM
CURRENT CAPACITY:	1 AMP CONTINUOUS PER PIN
DIELECTRIC STRENGTH:	1000 VAC
INSULATION RESISTANCE:	5,000 MEGOHMS MINIMUM